



04-27-07

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PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/713,753	
	Filing Date	November 13, 2003	
	First Named Inventor	Bruce W. MCGAUGHY	
	Art Unit	2123	
	Examiner Name	A. Pierre-Louise	
Total Number of Pages in This Submission	7	Attorney Docket Number	188122002000

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form + duplicate copy for fee processing (2 pages)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	PTO Form SB/08 (1 page)
<input checked="" type="checkbox"/> Information Disclosure Statement – Supplemental (3 pages)	<input type="checkbox"/> CD, Number of CD(s) _____	Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	MORRISON & FOERSTER LLP (Customer No. 25226)		
Signature			
Printed name	Thomas Chan		
Date	April 25, 2007	Reg. No.	51,543

I hereby certify that this paper is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 582594559 US, on the date shown below in an envelope addressed to:
MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: April 25, 2007

Signature:

(Georgina Matos)



PTO/SB/17 (02-07)

Approved for use through 02/28/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2007		Application Number	10/713,753
		Filing Date	November 13, 2003
		First Named Inventor	Bruce W. MCGAUGHY
		Examiner Name	A. Pierre-Louise
		Art Unit	2123
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	188122002000
TOTAL AMOUNT OF PAYMENT		(\$)	180.00

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <u>03-1952</u> Deposit Account Name: <u>Morrison & Foerster LLP</u>
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	0.00
Design	200	100	100	50	130	65	0.00
Plant	200	100	300	150	160	80	0.00
Reissue	300	150	500	250	600	300	0.00
Provisional	200	100	0	0	0	0	0.00
2. EXCESS CLAIM FEES							
Fee Description							Small Entity
							Fee (\$)
Each claim over 20 (including Reissues)							50
Each independent claim over 3 (including Reissues)							200
Multiple dependent claims							360
							180
Total Claims		Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims		
30 - 30 = 0		x	50.00	=	0.00		
HP = highest number of total claims paid for, if greater than 20.							
Indep. Claims		Extra Claims	Fee (\$)	Fee Paid (\$)			
3 - 3 = 0		x	200.00	=	0.00		
HP = highest number of independent claims paid for, if greater than 3.							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof			Fee (\$)	Fee Paid (\$)	
0 - 100 = 0	/50	0 (round up to a whole number) x			250.00	=	0.00
4. OTHER FEE(S)							
							Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement							180.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	51,543
Name (Print/Type)	Thomas Chan	Telephone	(650) 813-5616
		Date	April 25, 2007

I hereby certify that this paper is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 582594559 US, on the date shown below in an envelope addressed to:
MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: April 25, 2007

Signature:

Georgina Matos
(Georgina Matos)

Attorney Docket No.: 188122002000
Client Ref. No.: CAD: 03-094
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Bruce W. MCGAUGHY et al.

Serial No.: 10/713,753

Filing Date: November 13, 2003

For: SYSTEM AND METHOD FOR
SUPPORTING MULTI-RATE
SIMULATION OF A CIRCUIT HAVING
HIERARCHICAL DATA STRUCTURE

Examiner: A. Pierre-Louise

Group Art Unit: 2123

Confirmation No.: 1627

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

04/27/2007 WASFAW1 00000005 031952 10713753
01 FC:1006 180.00 DA

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the documents were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related Application Serial Number 10/724,277, filed November 26, 2003 (U.S. Pat. No. 7,181,383); Application Serial Number 10/713,729, filed November 13, 2003; Application Serial Number 10/713,754, filed November 13, 2003; and Application Serial Number 10/713,728, filed November 13, 2003 and, accordingly, copies are not included herewith. This protocol conforms with 37 C.F.R. § 1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

This Supplemental Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of __ is enclosed.
 - ☒ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of __ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has

been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 188122002000.

Dated: April 25 , 2007

Respectfully submitted,

By 

Thomas Chan

Registration No.: 51,543
MORRISON & FOERSTER LLP
755 Page Mill Road
Palo Alto, California 94304-1018
(650) 813-5616



ALTERNATIVE TO PTO/SB/08A/B (09/06)

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/713,753
				Filing Date	November 13, 2003
				First Named Inventor	Bruce W. MCGAUGHY
				Art Unit	2123
				Examiner Name	A. Pierre-Louise
Sheet	1	of	1	Attorney Docket Number	188122002000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US-2003/0237067-A1	12-25-2003	Mielke et al.	
	2.	US-2004/0078767-A1	04-22-2004	Burks et al.	
	3.	US-4,942,536-A	07-17-1990	Watanabe et al.	
	4.	US-5,910,898-A	06-08-1999	Johannsen	
	5.	US-6,026,226-A	02-15-2000	Heile et al.	
	6.	US-6,035,107-A	03-07-2000	Kuehlmann et al.	
	7.	US-6,301,687-B1	10-09-2001	Jain et al.	
	8.	US-6,339,836-B1	01-15-2002	Eisenhofer et al.	
	9.	US-6,374,205-B1	04-16-2002	Kuribayashi et al.	
	10.	US-6,449,761-B1	09-10-2002	Greidinger et al.	
	11.	US-6,571,377-B2	05-27-2003	Narita	
	12.	US-6,865,525-B1	03-08-2005	Zhong	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	13.	Chakrabarti, D.R. et al. (November 23-24, 1995). "An Improved Hierarchical Test Generation Technique for Combinational Circuits with Repetitive Sub-circuits," <i>Proceedings of the Fourth Asian Test Symposium 1995</i> , 1:237-243.	
	14.	Jones et al. (February 1994). "A Cache-Based Method for Acceleration Switch-Level Simulation," <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> 13(2).	
	15.	Stanford.edu. "Radix 2 FFT Complexity is N Log N," <i>In Mathematics of the Discrete Fourier Transform (DFT), with Music and Audio Application</i> . Smith, III, J.O. (2003). W3K Publishing: Stanford, located at < http://ccma.stanford.edu/~jos/mdft/Radix_2_FFT_Complexity.html >, 1 page.	
	16.	Wong, Y. (1985). "Hierarchical Circuit Verification," <i>IEEE 22nd Design Automation Conference</i> .	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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